

Dec 21, 1582 (Julian Cal) Duncan:Cal

Flanders & parts of Belgium
made the jump to the Gregorian
Cal. Thus, the next day was
Jan. 1.

This meant shipping Christmas

Dec. 1582

Duncan: Cal

France waited till Dec. 1582
to adapt the new Cal.
King Henry III ordered the
change

1582

1752 (in England)
GREGORIAN CAL.

The Julian year, being 365 days 6 hrs long exceeds the true solar year by 11 min 14 sec so that the dates of physical phenomena came to occur earlier and earlier according to the Julian Cal. The season dates and notably the Easter date, assuming a growing discrepancy which became annoying. In A.D. 325 the COUNCIL OF NICAEA instituted the decree that Easter was to be uniform at the Christian churches. Various proposals were introduced

The retrospective feature of the correction has caused much confusion for many years. Gregory XIII made the correction refer back to the NICENE COUNCIL DATE. If he had not insisted on this point, probably alteration (2) (above) would have eliminated the confusion.

The Gregorian Cal. is in use today even in Soviet Union which abandoned the Eastern (Julian) Cal. shortly after the "October" (actually November) Revolution led by the Bolsheviks in 1917

C1582

Pope Gregory altered the beginning of the year to Jan. 1.

Domitianus Exiguus in 532 had designated Mar. 25 as 1st day of year. This is the way it was in England until 1752

$$\text{Oct 31, 1582} = 2299161 + 16 = 2299177 \text{ (correct)}$$

$$\text{Nov 30, 1582} = 2299177 + 30 = 2299207 \text{ (correct)}$$

$$\text{Dec 31, 1582} = 2299207 + 31 = 2299238$$

$$\text{Jan 1, 1583} = 2299239$$

$$\text{Jan 1, 1584} = 2299239 + 365 = 2299604$$

Procedure Julian: $(4712 + 1582) \times (365.25) = 2299182.5$

Gregorian: $(4712 + 1584) \times (365.25) = 2299614$

$$\text{minus } 10 = 2299604$$

50

2299161 - O 15, 1582

2299162 - O 16

2299163 - O 17

2299164 - O 18

2299165 - O 19

2299166 - O 20

2299167 - O 21

2299168 - O 22

2299169 - O 23

2299170 - O 24

2299171 - O 25

2299172 - O 26

2299173 - O 27

2299174 - O 28

2299175 - O 29

2299176 - O 30

2299177 - O 31

2299178 - N 1

1582

Gregorian

By 1582 the sun of 11 min \pm 14 sec
each yr had accumulated to 10 days
(lost Vernal Equinox to Mar 21) (+ ~~4~~ to
set it to Mar. 25 where Caesar had it)

(Council of Nicaea said Mar 21 was OK)

Council of Trent authorized Pope Gregory
XIII to correct Cal. He ordered Oct 5, 1582
to be Oct 15, 1582. HE ALSO CHANGED
BEGINNING OF YR FROM MAR 25 TO JAN 1

JANUARY - 31

FEBRUARY - 28, 29

MAR - 31

APRIL - 30

MAY - 31

JUNE - 30

JULY - 31

AUGUST - 31

SEPTEMBER - 30

OCTOBER - 31

NOVEMBER - 30

DECEMBER - 31

Ave 365, 2425

compared with 365, 2422

and dropped 3 leap yrs
every 4 centuries

1582

German Protestants retained the
old reckoning of Easter until
1776

1582

Pope Gregory XIII also
ordered New year to be
Jan 1, instead of Mar 25

1582

Vernal Equinox of 1582 fell
on Mar 11.

Thu Oct 4, 1582 was followed
by Fri Oct 15, 1582.